

# CD278 (ICOS) Monoclonal Antibody (7E.17G9), APC, eBioscience™

## Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	7E.17G9
Conjugate	APC
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2716948

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	1 Publication

## Product Specific Information

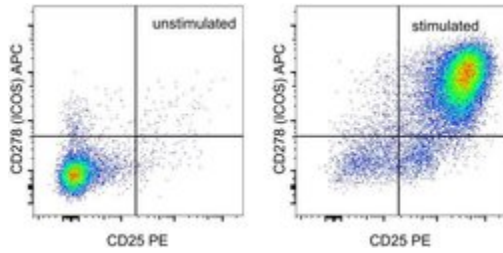
**Description:** The 7E.17G9 monoclonal antibody reacts with mouse ICOS (Inducible COStimulatory molecule), a T cell specific molecule and a third member of the CD28/CTLA-4 family. A homodimer of 47-57 kDa, ICOS is expressed on activated T cells, has potent costimulatory activity for T cell activation and proliferation and is required for humoral immune response. ICOS binds to its ligand on activated APC including B cells called B7h/B7RP-1 and is thought to play a protective role in inflammatory autoimmune diseases. ICOS may be involved in the development of Th2 cells.

**Applications Reported:** This 7E.17G9 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This 7E.17G9 antibody has been tested by flow cytometric analysis of stimulated mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Excitation:** 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser

## Product Images For CD278 (ICOS) Monoclonal Antibody (7E.17G9), APC, eBioscience™



### CD278 (ICOS) Antibody (17-9942-82) in Flow

Staining of unstimulated (left) or 3-day Con A (Product # 00-4978-93)-stimulated (right) mouse splenocytes with Anti-Mouse CD25 PE (Product # 12-0251-82) and 0.25 µg of Anti-Mouse CD278 (ICOS) APC. Total viable cells were used for analysis. Quadrant lines were based on staining with 0.25 µg of Rat IgG2b K Isotype Control APC (Product # 17-4031-82).

## 1 Reference

### Flow Cytometry (1)

#### Cell reports

#### Noc4L-Mediated Ribosome Biogenesis Controls Activation of Regulatory and Conventional T Cells.

"17-9942 was used in Flow cytometry/Cell sorting to identify the control of Treg activation and immune tolerance maintenance is due to Noc4L mediated ribosome biogenesis."

Authors: Zhu X,Zhang W,Guo J,Zhang X,Li L,Wang T,Yan J,Zhang F,Hou B,Gao N,Gao GF,Zhou X

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2019

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